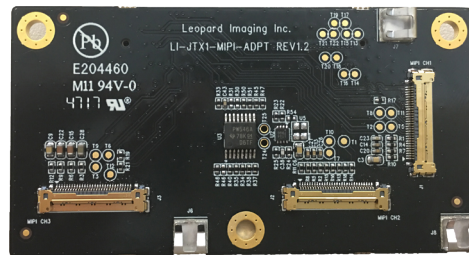# Synchronized Camera Capture

Carlos Agüero-Montero

What is demonstrated

- Nvidia JETSON TX2 with Synchronized video capture
- XVS Signal "shared" between IMX477 Video Sensors
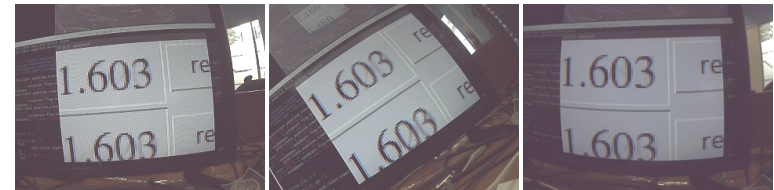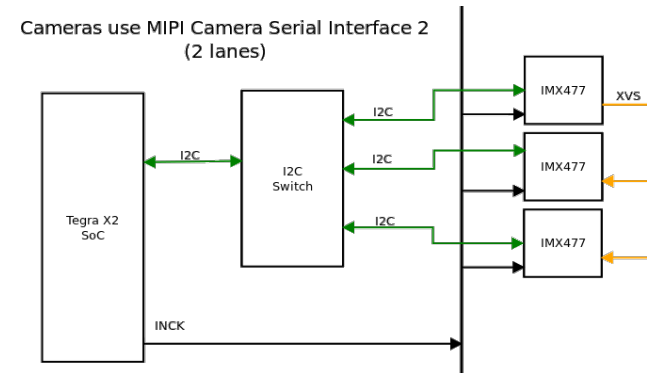- Linux tegra-ubuntu 4.4.38 RidgeRun IMX477 enhanced driver

- Possible Applications:
    360° degrees cameras
    Video stitching applications
    Virtual Reality
    Others

Hardware Information

- Nvidia JETSON TX2
- IMX477 Video Sensor x 3
- Leopard Imaging LI-JTX1-MIPI-ADPT

What was improved

- Snapshot between video sensors is now in-sync
- XVS support added to IMX477 driver

Source code or detail technical information availability

- www.ridgerun.com
- http://github.com/RidgeRun/ridgerun-jp-3.2.1-tx2-li-jtx1-imx477
- http://developer.ridgerun.com/wiki/index.php?title=GStreamer_Daemon